

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 February 2002 (14.02.2002)

PCT

(10) International Publication Number
WO 02/013527 A3

(51) International Patent Classification⁷: H04N 7/16

(21) International Application Number: PCT/US01/24895

(22) International Filing Date: 8 August 2001 (08.08.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/223,856 8 August 2000 (08.08.2000) US
60/248,313 14 November 2000 (14.11.2000) US
60/258,937 29 December 2000 (29.12.2000) US
60/258,940 29 December 2000 (29.12.2000) US
09/925,109 8 August 2001 (08.08.2001) US
09/925,121 8 August 2001 (08.08.2001) US

95148 (US). REGNIER, Alain; 902 W. Remington Drive, #9B, Sunnyvale, CA 94087 (US). MOHAN, Sunil; 18400 Overlook Road, #31, Los Gatos, CA 95030 (US). COONEY, Hugh, E.; 1608 Corte Via, Los Altos, CA 94024 (US). KING, Edward; 2225 Kenwood Avenue, San Jose, CA 95128 (US). PIGNON, Philippe; 3927 Ventura Court, Palo Alto, CA 94306 (US). NUDELMAN, Mark; 947 Columbus Street, Half Moon Bay, CA 94019 (US).

(74) Agents: LOUI, Martin, S., C. et al.; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (US).

(81) Designated States (*national*): JP, KR.

(84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

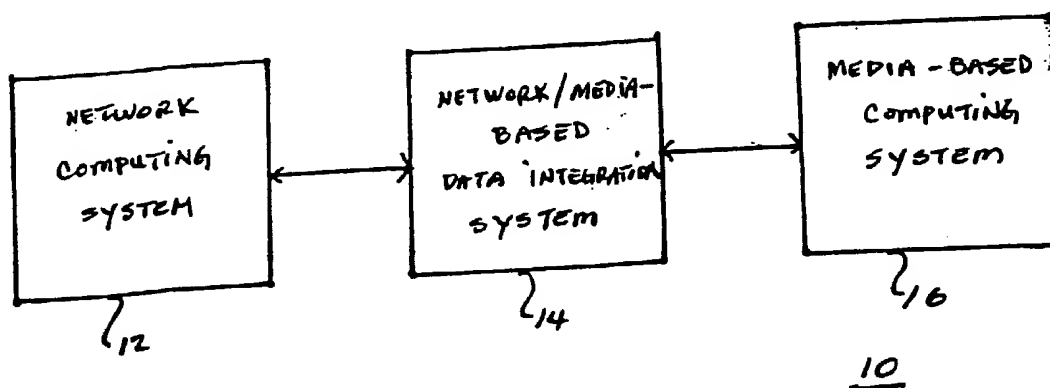
(88) Date of publication of the international search report:
18 July 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(71) Applicant: REPLAYTV, INC. [US/US]; 2841 Mission College Boulevard, Santa Clara, CA 95054 (US).

(72) Inventors: SWEATT, Millard, E., III; 542 Bay Road, Menlo Park, CA 94025 (US). HASTINGS, Jeff; 754 Jordan Avenue, Los Altos, CA 94022 (US). WOODWARD, Don; 610 Nandell Lane, Los Altos, CA 94024 (US). MATICHUK, Chris, E.; 410 Milan Drive, #116, San Jose, CA 95134 (US). KIANERSI, Shahriar; 434 Sixth Avenue, Menlo Park, CA 94025 (US). SUNNER, Gurminder; 2664 Glen Hancock Court, San Jose, CA

(54) Title: METHOD AND SYSTEM FOR REMOTE TELEVISION REPLAY CONTROL



(57) Abstract: A method, system, computer medium, and other embodiments for integrating unrelated web hosted services with stand-alone media-based devices are provided. Users can access and control the media-based device conveniently with a web-browser through various portals on the Internet. In one embodiment, users access the media-based device through one or more unrelated web portals, so as to control and to program the media-based device in a single web session, and to see information both stored on the media-based device and originating from third-party online sources of information and services in a single integrated presentation.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/24895

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N7/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 00 28733 A (UNITED VIDEO PROPERTIES INC) 18 May 2000 (2000-05-18) page 8, line 1 -page 9, line 2 page 11, line 10 -page 13, line 24 page 14, line 7 -page 15, line 31 page 20, line 32 -page 21, line 3 page 21, line 21 - line 25 figures 1,4	1-54
Y	EP 0 838 768 A (HEWLETT PACKARD CO) 29 April 1998 (1998-04-29) abstract page 2, line 24 - line 55 page 4, line 2 - line 6 page 4, line 49 - line 55 page 6, line 28 - line 36 -/--	1-54

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

29 April 2002

Date of mailing of the international search report

15/05/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fantini, F

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/24895

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 98 10589 A (STARSIGHT TELECAST INC) 12 March 1998 (1998-03-12) abstract page 2, line 26 - line 31 page 17, line 1 -page 18, line 29 figure 13</p> <p style="text-align: center;">---</p>	1-54
A	<p>J. MORRIS, J. TAYLOR: "Hits & Hype" ZDNET REVIEWS, 'Online! 7 August 2000 (2000-08-07), XP002197808 Retrieved from the Internet: <URL:http://www.zdnet.com> 'retrieved on 2002-04-29! the whole document</p> <p style="text-align: center;">-----</p>	1-54

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/24895

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0028733	A	18-05-2000	AU	1615700 A		29-05-2000
			WO	0028733 A1		18-05-2000
<hr/>						
EP 0838768	A	29-04-1998	US	5956487 A		21-09-1999
			EP	0838768 A2		29-04-1998
			JP	10149270 A		02-06-1998
			US	6170007 B1		02-01-2001
			US	2001025307 A1		27-09-2001
			US	2001044836 A1		22-11-2001
			US	2001034777 A1		25-10-2001
			US	2001034778 A1		25-10-2001
			US	2001034779 A1		25-10-2001
			US	2001034780 A1		25-10-2001
			US	2001034781 A1		25-10-2001
<hr/>						
WO 9810589	A	12-03-1998	AU	4175797 A		26-03-1998
			WO	9810589 A1		12-03-1998
<hr/>						